AMENDMENTS TO THE CLAIMS

1. (previously presented) ROLLING SCREW WITH SMALLER ADVANCE PER TURN THAN THE PITCH OF THE THREADING, where a threaded coupling is foreseen in which a screw is turned inside one or mare female screws (inserted in a single body or sleeve) and where the pitch of the thread of said female screws is equal to that of the screw whereas the nominal diameter is greater than that of the screw itself, each of the female screws consisting of a bearing, able to simultaneousely bear both radial and axial loads, with an inner ring that has the threaded hole and where the axis of said female screws is parallel, but not coinciding, with the axis of the screw; in such a way, the contact between the thread of the screw and the thread of each of the female screws is realised, approximately at the generating line of the respective cylindrical surfaces, the device being characterised in that the screw and the female screw are equipped with syncronised movement, realised with any type of per se known syncronisation device.

- 2. (previously presented) ROLLING SCREW, according to claim 1, characterised in that the threaded inner hole of the female screw is formed on a bush which, in turn, is fitted onto the inner ring of at least one bearing.
- 3. (previously presented) ROLLING SCREW, according to <u>claim 1 elaims 1 and 2</u>, characterised in that the female screws are not arranged coaxial to each other.
 - 4. (previously presented) ROLLING SCREW, according to claim 1, characterised in that

the screw (1) is inserted inside the sleeve (2), made up of two half-shells (2a, 2b), kept joined together through mobile connection members (3) in the sleeve (2), near to the two bases, with the guide bearings (4) being inserted, kept locked by the elastic rings (5); the screw itself is inserted (but free to slide) on said bearings and in the central zone of the sleeve (2) a bearing (6) is mounted, of the type suitable for bearing axial loads, which has its inner ring (7) with a threaded hole coupled with the screw itself, said bearing (6), with a threaded hole, being mounted eccentrically with respect to the axis of the screw (1) and with respect to the axis of the two guide bearings (4) of the screw itself, with it being foreseen that the threads of the screw (1) and the threads of the female screw, formed on the inner ring (7), come into contact with each other approximately along a generatrix of the threaded surface and not on the whole surface of the thread itself, with the rotation of the screw (1) about its own axis, the threaded inner ring (7) of the central bearing (6) also being made to rotate in the same direction as that of the aforementioned screw.

- 5. (currently amended) ROLLING SCREW, according to one or more of the previous elaims claim 1, characterised in that the screw (1) is idle, whereas the threaded ring (7), applied to the female screw, is placed in rotation through a transmission system, which uses per se known means, such as belts and gears.
- 6. (currently amended) ROLLING SCREW, according to one or more of the previous claims claim 1, characterised in that the screw (1) is fixed, whereas the entire sleeve (2) is placed in rotation, through a transmission system, which uses per se known means, such as

belts and gears.

7. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that the use of two or more female screws contained inside

the sleeve itself is foreseen.

8. (currently amended) ROLLING SCREW, according to one or more of the previous

claims claim 1, characterised in that it is foreseen for there to be an absence of guide bearing

inside the sleeve.

9. (currently amended) ROLLING SCREW, according to one or more of the previous

claims <u>claim 1</u>, characterised in that it is foreseen that the female screws consist of internally

threaded bushes fitted in the hole of at least one of the sliding or rolling bearings contained in

the sleeve.

10. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it is foreseen that a preload is applied on the screw, to

realise an extremely precise movement and positioning of the rotating members to zero the

tolerance clearance.

11. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it foresees the application of a locking/unlocking system

of the rotation of the bearing or of the bearings of the female screw to obtain, when the aforementioned bearings are locked, an advance per turn of the screw equal to the value of the pitch of its thread.

- 12. (currently amended) ROLLING SCREW, according to one or more of the previous elaims claim 1, characterised in that it foresees the application of a locking/unlocking system of the rotation of the screw to obtain, when it is locked, an advance per turn of the sleeve of a value equal to the pitch of the thread of the aforementioned screw.
- 13. (currently amended) ROLLING SCREW, according to one or more of the previous elaims claim 1, characterised in that it foresees the use of a "free-wheel" type device, which prevents the rotation of the bearing of the female screw in one of the two directions.
- 14. (currently amended) ROLLING SCREW, according to one or more of the previous elaims claim 1, characterised in that it foresees the use of a "free-wheal" type device, which prevents the rotation of the screw in one of the two directions.
- 15. (currently amended) ROLLING SCREW, according to one or more of the previous elaims claim 1, characterised in that it foresees a plurality of female screws that have diameters of different values.
 - 16. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it foresees that the female screws are susceptible to

being placed in a condition not in contact with the screw, indipendently from each other.

17. (currently amended) ROLLING SCREW, according to one or more of the previous

claims claim 1, characterised in that it foresees that from the plurality of female screws, with

different diameters, only a selected one can remain in contact with the screw, so as to obtain

an advance per turn of the screw dependent upon the diameter of the specific female screw

being used.

18. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it foresees that the diameters of each of the female

screws have a value such than when all of the aforementioned female screws are in the

condition of detachment from the screw it is possible to make the screw slide freely on the

guide bearings.

19. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it foresees that the female screw is equipped with

circumferential throats and with advance per turn equal to the threading value of the screw.

20. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it foresees that the screw is equipped with

circumferential throats and with advance per turn equal to the threading pitch of the female

screw.

21. (currently amended) ROLLING SCREW, according to one or more of the previous

elaims claim 1, characterised in that it foresees that one or more female screws are replaced

with externally threaded bearings.

22. (previously presented) ROLLING SCREW, according to claim 21, characterised in

that it foresees that the externally threaded bearings are placed in contact with the screw, to

obtain advances per turn of a greater value with respect to the pitch of the threading of the

screw itself.

23. (currently amended) ROLLING SCREW, according to one or more of the previous

claims claim 1, characterised in that it is actuated through the use of a motor reducer with

low transmission ratio, therefore reversible and, in situations of failure or lack of energy,

even able to be actuaded manually.